

Title (en)
Exhaust gas purifier for internal combustion engine

Title (de)
Abgasreiniger für eine Brennkraftmaschine

Title (fr)
Purificateur de gaz d'échappement pour moteur à combustion interne

Publication
EP 1245801 A3 20030618 (EN)

Application
EP 02007169 A 20020328

Priority
• JP 2001096770 A 20010329
• JP 2002022164 A 20020130

Abstract (en)
[origin: EP1245801A2] An exhaust gas purifier includes a particulate filter (70) for oxidizing collected particulates, reversing means (71a) that reverses an exhaust gas upstream side and an exhaust gas downstream side of the particulate filter (70). The particulate filter (70) includes a collecting wall for collecting the particulates, which includes a first collecting surface and a second collecting surface. The first and the second collecting surfaces are alternately used for collecting the particulates by the reversing means (71a). The catalyst device (73) is arranged adjacent to the particulate filter (70) at a position always being at the downstream side of the particulate filter (70). <IMAGE>

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F01N 3/035; **F01N 3/08**; **F01N 3/031**; **F01N 3/023**; **F01N 3/20**; **F01N 3/28**; **F01N 9/00**

IPC 8 full level
F01N 3/02 (2006.01); **B01D 46/42** (2006.01); **B01D 53/94** (2006.01); **F01N 3/023** (2006.01); **F01N 3/025** (2006.01); **F01N 3/029** (2006.01); **F01N 3/031** (2006.01); **F01N 3/035** (2006.01); **F01N 3/05** (2006.01); **F01N 3/08** (2006.01); **F01N 3/18** (2006.01); **F01N 3/20** (2006.01); **F01N 3/24** (2006.01); **F01N 3/28** (2006.01); **F01N 9/00** (2006.01); **F01N 13/02** (2010.01)

CPC (source: EP US)
F01N 3/023 (2013.01 - EP US); **F01N 3/0233** (2013.01 - EP US); **F01N 3/031** (2013.01 - EP US); **F01N 3/035** (2013.01 - EP US); **F01N 3/0821** (2013.01 - EP US); **F01N 3/2006** (2013.01 - EP US); **F01N 3/2046** (2013.01 - EP US); **F01N 3/2828** (2013.01 - EP US); **F01N 9/002** (2013.01 - EP US); **F01N 13/0097** (2014.06 - EP US); **F01N 2250/02** (2013.01 - EP US); **F01N 2330/06** (2013.01 - EP US); **F01N 2510/065** (2013.01 - EP US); **F01N 2570/16** (2013.01 - EP US); **Y02T 10/12** (2013.01 - EP US); **Y02T 10/40** (2013.01 - EP US)

Citation (search report)
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• [A] EP 0984142 A1 20000308 - TOYOTA MOTOR CO LTD [JP]
• [A] PATENT ABSTRACTS OF JAPAN vol. 2000, no. 20 10 July 2001 (2001-07-10)
• [A] PATENT ABSTRACTS OF JAPAN vol. 017, no. 443 (M - 1463) 16 August 1993 (1993-08-16)
• [A] PATENT ABSTRACTS OF JAPAN vol. 1997, no. 08 29 August 1997 (1997-08-29)

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